Section 1. Registration Information

Source Identification

Facility Name:	Buckeye Perth Amboy Terminal
Parent Company #1 Name:	Buckeye Perth Amboy Terminal LLC
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	
Receipt Date:	09-Nov-2018
Postmark Date:	09-Nov-2018
Next Due Date:	09-Nov-2023
Completeness Check Date:	21-Apr-2022
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	

Facility Identification

EPA Facility Identifier:	1000 0022 6613
Other EPA Systems Facility ID:	
Facility Registry System ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	19912808
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	380 Maurer Road
Street 2:	
City:	Perth Amboy
State:	NEW JERSEY
ZIP:	08861
ZIP4:	
County:	MIDDLESEX

Facility Latitude and Longitude

Latitude (decimal):	40.534267
Longitude (decimal):	-074.261643
Lat/Long Method:	Interpolation - Other
Lat/Long Description:	Storage Tank
Horizontal Accuracy Measure:	3
Horizontal Reference Datum Name:	World Geodetic System of 1984
Source Map Scale Number:	

Owner or Operator

Operator Name:	Buckeye Perth Amboy Terminal LLC
Operator Phone:	(732) 738-2000

Mailing Address

Operator Street 1:	380 Maurer Road
Operator Street 2:	
Operator City:	Perth Amboy
Operator State:	NEW JERSEY
Operator ZIP:	08861
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Anthony Negri
RMP Title of Person or Position:	Assistant Operations Manager
RMP E-mail Address:	ANegri@buckeye.com

Emergency Contact

Emergency Contact Name:	Anthony Negri
Emergency Contact Title:	Assistant Operations Manager
Emergency Contact Phone:	(732) 738-2057
Emergency Contact 24-Hour Phone:	(732) 215-3554
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	ANegri@buckeye.com

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Middlesex County LEPC

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	24
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	Yes

Air Operating Permit ID:	BOP 120003

OSHA Ranking

OSHA Star or Merit Ranking:	

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	12-Sep-2018
Last Safety Inspection Performed By an External Agency:	NJ TCPA

Predictive Filing

Did this RMP involve predictive filing?:	

Preparer Information

Preparer Name:	Pennoni Associates Inc.
Preparer Phone:	(856) 547-0505
Preparer Street 1:	515 Grove Street, Suite 1B
Preparer Street 2:	
Preparer City:	Haddon Heights
Preparer State:	NEW JERSEY
Preparer ZIP:	08035
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:	
Substantiation Provided:	
Unsanitized RMP Provided:	

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000092217
Description:	Bulk Pet. Stor. Facility
Process Chemical ID:	1000115227
Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Quantity (lbs):	880000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process NAICS

Process ID:	1000092217
Process NAICS ID:	1000093459
Program Level:	Program Level 3 process
NAICS Code:	42471
NAICS Description:	Petroleum Bulk Stations and Terminals

Section 2. Toxics: Worst Case

No records found.

Section 3. Toxics: Alternative Release

No records found.

Section 4. Flammables: Worst Case

Flammable Worst ID: 1000055220

Model Used:	EPA's RMP*Comp(TM)
Endpoint used:	1 PSI

Passive Mitigation Considered

Blast Walls:	
Other Type:	

Section 5. Flammables: Alternative Release

Flammable Alter ID: 1000052036

Model Used:	EPA's RMP*Comp(TM)

Passive Mitigation Considered

Dikes:	
Fire Walls:	
Blast Walls:	
Enclosures:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Excess Flow Valve:	Yes
Other Type:	Pneumatic actuated flow valves fail closed with loss of feed line (low melting point) air pressure resulting from fire or line separation/impact. Fill shut-off at 85% (emergency shutdown at 90%).

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

Butane Blending System consisting of three (3) vessels plus line. Butane, liquefied under pressure is blended with refined product (gasoline) via line feeding a pipe line manifold. Butane is delivered via truck. The system design meets or exceeds NFPA #58 (LP gas).

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000097312
Chemical Name:	Butane
Flammable/Toxic:	Flammable
CAS Number:	106-97-8

Process ID:	1000092217
Description:	Bulk Pet. Stor. Facility
Prevention Program Level 3 ID:	1000078413
NAICS Code:	42471

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	05-Jun-2018

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	05-Jun-2018

The Technique Used

What If:	
Checklist:	
What If/Checklist:	
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	30-Sep-2018

Major Hazards Identified

Toxic Release:	
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	Yes

Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	
Floods (Flood Plain):	
Tornado:	
Hurricanes:	Yes
Other Major Hazard Identified:	

Process Controls in Use

Vents:	
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	Yes
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	Yes
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	Yes
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	Fire water monitors

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	Hydrocarbon detector (pump area), flow monitor along with temperature, pressure and liquid level indicators

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	
Change Process Parameters:	
Installation of Process Controls:	
Installation of Process Detection Systems:	
Installation of Perimeter Monitoring Systems:	
Installation of Mitigation Systems:	
None Recommended:	
None:	Yes
Other Changes Since Last PHA or PHA Update:	

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	05-Sep-2018

Training

Training Revision Date (The date of the most recent review or revision of training programs):	05-Sep-2018

The Type of Training Provided

Classroom:	Yes
On the Job:	Yes
Other Training:	

The Type of Competency Testing Used

Written Tests:	Yes
Oral Tests:	
Demonstration:	Yes
Observation:	Yes
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	28-Aug-2018
Equipment Inspection Date (The date of the most recent equipment inspection or test):	15-Jul-2018
Equipment Tested (Equipment most recently inspected or tested):	All instruments, safety systems

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	

Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	04-Aug-2018

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):	11-Sep-2018

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):	
Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):	

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):	
Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):	

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	04-Aug-2018

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	04-Aug-2018

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	04-Aug-2018
Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):	

Confidential Business Information

CBI Claimed:	

Section 8. Program Level 2

No records found.

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	22-Aug-2018

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	09-Nov-2018

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Middlesex County Emergency Mgt.
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(732) 316-7100

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	Yes
Clean Water Regulations at 40 CFR 112:	Yes
RCRA Regulations at CFR 264, 265, and 279.52:	Yes
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	Yes
State EPCRA Rules or Laws:	Yes
Other (Specify):	NJAC7:31(1-6)

Executive Summary

ACCIDENTAL RELEASE PREVENTION AND EMERGENCY RELEASE POLICIES

The Perth Amboy Terminal is an existing bulk storage fuel terminal located at 380 Maurer Road, Perth Amboy, NJ 08861. The Terminal is located on the west bank of the Arthur Kill approximately two miles north of its entrance to the Raritan Bay. The Terminal covers about 272 acres.

Buckeye Perth Amboy Terminal LLC - Perth Amboy Terminal (Duns 019912808) in Perth Amboy, NJ is committed to operating and maintaining processes in a safe, reliable and environmentally sound manner. Buckeye believes that excellent performance in health, safety, and the environment goes hand in hand with operating reliably, and that outstanding HSE performance is of paramount importance.

The Perth Amboy Terminal is designed, operated and maintained in a manner that protects the environment, as well as the health and safety of our employees, contractors and the community. Buckeye promotes health, safety, and the environment through programs of awareness, compliance, prevention and protection. These programs include a combination of accidental release prevention and emergency response planning. This document provides a brief overview of the comprehensive risk management activities that Buckeye has designed and implemented, including:

A. A description of the facility and the use of regulated substances
B. An overview of the accidental release prevention programs
C. A five-year accident history for accidental releases of regulated chemicals
D. An overview of the emergency response program
E. An overview of planned changes to improve safety

A. STATIONARY SOURCE AND REGULATED SUBSTANCES

The primary function of the Perth Amboy Terminal, located in Perth Amboy, New Jersey is to act as a bulk storage fuel terminal. The butane blending process has been classified as Program level 3. No Program 1 or 2 processes containing regulated substances were identified. By virtue of the flammable effects associated with butane, it is necessary to observe certain safety precautions in handling butane to prevent unnecessary human exposure, to reduce the threat to employee health, and to minimize the threat and impact to nearby members of the community. Buckeye Perth Amboy Terminal LLC is strongly committed to employee, public, and environmental safety and health. Safety at the Facility depends upon the manner in which butane is handled as well as the various safety devices incorporated into the design of the process. Furthermore, comprehensive training is provided to employees, which reinforces the safety policies and procedures of the Perth Amboy Terminal.

The facility has fixed inventories of butane. Butane is received by truck (transports) and stored in three (3) storage vessels. Specifically, liquefied butane is off-loaded by truck (3 offload stations) for storage under pressure. The butane is pumped to a blending skid for direct injection into the gasoline manifold. Process safety controls include excess flow valves, low-melting point (<250 degrees fahrenheit) feeds to pneumatic valves (fail closed), 85% fill shutoff on the vessel, emergency shut-off devices on the system and video display terminal, line thermal (pressure) reliefs, and grounding/interlock devices. Access to the Perth Amboy Terminal is restricted to authorized employees, management personnel and authorized contractors/visitors.

B. GENERAL ACCIDENTAL RELEASE PREVENTION PROGRAM AND CHEMICAL-SPECIFIC PREVENTION MEASURES

The accidental release prevention programs and emergency planning and response programs help us effectively manage the hazards posed by our regulated substances to our employees, the public, and the environment. The covered process is regulated by the EPA RMP regulation 40 CFR Part 68 and NJDEP TCPA Title 7, Chapter 31, as well as the OSHA Process Safety Management standard 29CFR 1910.119. The following accident prevention program elements are in place at the Perth Amboy Terminal:

1) Employee Participation
2) Process Safety Information
3) Process Hazard Analysis (PHA) with Risk Assessments
4) Standard Operating Procedures

5) EHS Operator Training
6) Contractors
7) Pre-startup Safety Review
8) Mechanical Integrity with Preventive Maintenance
9) Work Permits
10) Management of Change
11) EHS Accident or Potential Catastrophic Event Investigation
12) Emergency Response
13) Compliance Audits
14) Trade Secrets

These fourteen (14) individual elements of the prevention program work together to prevent accidental chemical releases. The company and our employees are committed to the standards required by these management programs. In addition to the above elements, we also have specific prevention measures that are employed as part of our operating procedures and engineering and administrative controls to help contain/control a release, quickly detect a release, and reduce the consequences of a release. These are briefly summarized as follows:

General Risk Reduction and Safety Measures

-Engineering and construction in accordance with recognized industry and company standards
-Equipment properly designed with protection from overpressure (pressure safety relief valves, etc.)
-Updated technical drawings, Piping & Instrument Diagrams and Process Flow Diagrams
-Operating systems monitored and controlled by trained Operators
-Computerized monitoring and control of process operation
-Redundant control systems
-Automatic and manual shutdown devices for critical systems
-Scheduled inspection and testing of instruments, analyzers, and safety devices
-Limited facility access
-Regular safety meetings and safety awareness programs
-Routinely scheduled safety inspections and audits
-Frequent unit surveillance by operators

General Release Mitigation

-Automatic and remotely operated shut-offs to limit release quantity
-Strategically located valves to isolate leaks
-Hydrocarbon detectors at key areas to warn of a chemical release
-Fire monitors installed near butane offload area
-Water spray system for butane storage vessels

General Emergency Response

-Emergency alert system
-Periodic emergency training for employees
-Communication systems with local emergency responders and regulatory agencies
-Emergency drills with plant personnel, regulatory agencies, and community emergency responders to enhance response skills and coordination among agencies
-Participation with the Local Emergency Planning Committee (LEPC)

Further, the Perth Amboy Terminal complies with the National Fire Protection Association's (NFPA's) Liquefied Petroleum Gas (LPG) Code (NFPA-58 [2011]) requirements for LP Gas storage. In addition to the presence of appropriate controls to prevent possible releases of butane, if a release does occur, a Facility Response Plan (FRP) is in place for the Facility and response activities are coordinated with the Perth Amboy Fire Department and Middlesex County Office of Emergency Management.

C. FIVE YEAR ACCIDENT HISTORY

The Perth Amboy Terminal has an excellent record of accident prevention. The terminal keeps records for all significant accidental chemical releases that occur at our facility. This is a "new" butane blending process; consequently, there have been no accidents within the past five (5) years resulting from the chemical release of materials covered under the EPA RMP regulation.

D. EMERGENCY RESPONSE PROGRAM

Response actions are coordinated with the Perth Amboy Fire Department . A Facility Response Plan (FRP) is in place to inform employees what to do in case of a release, fire, and to notify emergency responders when there is a need for a response.

Buckeye Perth Amboy Terminal complies with the U.S. Environmental Protection Agency's (EPA) Accident Prevention Rules (40 CFR Part 68 Subpart D) NJDEP TCPA Title 7, Chapter 31, the Occupational Safety and Health Administration (OSHA) Process Safety Management (PSM) standard and associated 14 elements (29 CFR Part 1910.119), and all applicable state and local laws and regulations. The butane blending system is designed, constructed, and maintained in accordance with NFPA #58.

In the event of an emergency involving the Perth Amboy Terminal butane blending system, it is the policy of the Facility to initially contact the Perth Amboy Fire Department and request their assistance. The Facility maintains a trained (annually) incipient fire capability. The Facility's emergency response plans are coordinated with the Perth Amboy Fire Department and Middlesex County Office of Emergency Management.

E. PLANNED CHANGES TO IMPROVE SAFETY

We are continually striving to make the Buckeye Perth Amboy Terminal the safest and most reliable workplace possible for our employees, our neighbors and our community.

In an effort to improve and promote system safety, Buckeye looks for, and seeks employee input, on process safety improvements. The Perth Amboy Fire Department is contacted regarding participation in site emergency response drills. Additionally, Buckeye will work cooperatively with the community to address any concerns.